

## UNCLASSIFIED

PE NUMBER: 0305887F

PE TITLE: Electronic Combat Intelligence Support

Exhibit R-2, RDT&E Budget Item Justification								DATE <b>February 2004</b>	
BUDGET ACTIVITY <b>07 Operational System Development</b>				PE NUMBER AND TITLE <b>0305887F Electronic Combat Intelligence Support</b>					
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.963	0.972	0.989	1.022	1.039	0.000	0.000
7IOT Information Operations Technology	0.000	0.000	0.963	0.972	0.989	1.022	1.039	0.000	0.000

FY05: Transferred from PE 0303140F, INFOSEC, BPAC 674871, Information Operations Technology, into this PE.

(U) **A. Mission Description and Budget Item Justification**

(U) This program expedites Information Operations (IO) Technology transition from laboratory, industry, and academia to operational use via studies, rapid prototyping, and demonstrations. Program efforts directly support the AF IW MAP and the DoD IO Roadmap.

(U) The program office investigates and selects the highest potential IO technologies to meet specific shortfalls and deficiencies documented by major commands (MAJCOMs), unified commands, and IO agencies in Mission Area Plans (MAPs) and capabilities documents. All IO core capability areas are to be considered which include CND, EW, PSYOP, OPSEC, and military deception.

(U) The program office works directly with labs, industry users and battle labs to set priorities and find synergistic combinations of new technology, doctrine and training. Program efforts will be prioritized and guided by the Information Warfare (IW) Technical Planning Integrated Planning Team (TPIPT) in support of the Air Force IW MAP and the DoD IO Master Plan.

(U) Planned areas of study prototyping, and/or demonstration include techniquet and technologies for defending systems against sophisticated Information Warfare (IW) and computer network attacks, exploiting Integrated Air Defense Systems (IADSs), Command and Control Systems, and applying advanced IO applications to emerging physics, communications, directed energy, electronic sensors, and intelligence.

(U) This program funds the Panther Den (PD) program office at Hanscom AFB, MA. The Panther Den program office provides technical, program management, and security support to the programs funded by this PE, as well as, PD-classified projects funded via other PEs.

(U) Specific program content is classified. Current and historical project information is available in the PD Special Access Program (SAP) Report.

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(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget			0.000
(U) Current PBR/President's Budget	0.000	0.000	0.963
(U) Total Adjustments	0.000	0.000	
(U) Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			

(U) **Significant Program Changes:**

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## Exhibit R-2a, RDT&amp;E Project Justification

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## BUDGET ACTIVITY

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## PE NUMBER AND TITLE

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Intelligence Support

## PROJECT NUMBER AND TITLE

710T Information Operations  
Technology

Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
710T Information Operations Technology	0.000	0.000	0.963	0.972	0.989	1.022	1.039	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

FY05: Transferred from PE 0303140F, INFOSEC, BPAC 674871, Information Operations Technology, into this PE.

(U) **A. Mission Description and Budget Item Justification**

(U) This program expedites Information Operations (IO) Technology transition from laboratory, industry, and academia to operational use via studies, rapid prototyping, and demonstrations. Program efforts directly support the AF IW MAP and the DoD IO Roadmap.

(U) The program office investigates and selects the highest potential IO technologies to meet specific shortfalls and deficiencies documented by major commands (MAJCOMs), unified commands, and IO agencies in Mission Area Plans (MAPs) and capabilities documents. All IO core capability areas are to be considered which include CND, EW, PSYOP, OPSEC, and military deception.

(U) The program office works directly with labs, industry users and battle labs to set priorities and find synergistic combinations of new technology, doctrine and training. Program efforts will be prioritized and guided by the Information Warfare (IW) Technical Planning Integrated Planning Team (TPIPT) in support of the Air Force IW MAP and the DoD IO Master Plan.

(U) Planned areas of study prototyping, and/or demonstration include technique and technologies for defending systems against sophisticated Information Warfare (IW) and computer network attacks, exploiting Integrated Air Defense Systems (IADSs), Command and Control Systems, and applying advanced IO applications to emerging physics, communications, directed energy, electronic sensors, and intelligence.

(U) This program funds the Panther Den (PD) program office at Hanscom AFB, MA. The Panther Den program office provides technical, program management, and security support to the programs funded by this PE, as well as, PD-classified projects funded via other PEs.

(U) Specific program content is classified. Current and historical project information is available in the PD Special Access Program (SAP) Report.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) The IO Technology Program will support the IW TPIPT and the IW Mission Area Team (MAT) through studies, rapid prototyping, and demonstrations of state-of-the-art IO technologies to meet the warfighters' IO requirements.	0.000	0.000	0.963
(U) Total Cost	0.000	0.000	0.963

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Technology(U) **C. Other Program Funding Summary (\$ in Millions)**

<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>
<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	

(U) N/A

PE 0305887F studies will leverage current DoD lab efforts. Studies will be deconflicted with and will complement PE 0208021F, Information Warfare Support. Some aspects of this program will be protected under the PANTHER DEN Special Access Program. Data available upon request.

(U) **D. Acquisition Strategy**

All major contracts within this program element are awarded after full and open competition unless other than full and open is justified to the Program Executive Officer (PEO) or Designated Approval Authority (DAA).



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Exhibit R-3, RDT&E Project Cost Analysis										DATE February 2004		
BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0305887F Electronic Combat Intelligence Support					PROJECT NUMBER AND TITLE 7IOT Information Operations Technology		
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method &amp; Type</u>	<u>Performing Activity &amp; Location</u>	<u>Total Prior to FY 2003 Cost</u>	<u>FY 2003 Cost</u>	<u>FY 2003 Award Date</u>	<u>FY 2004 Cost</u>	<u>FY 2004 Award Date</u>	<u>FY 2005 Cost</u>	<u>FY 2005 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u>												
LCM	CPFF	Hanscom AFB MA						0.522		Continuing	TBD	
BAE	JTSP	Hanscom AFB MA						0.158		Continuing	TBD	
Mitre	FFRDC	Hanscom AFB MA						0.283		Continuing	TBD	
Subtotal Product Development			0.000	0.000		0.000		0.963		Continuing	TBD	0.000
Remarks:												
(U) <u>Support</u>											0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Test &amp; Evaluation</u>											0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u>											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.000	0.000		0.000		0.963		Continuing	TBD	0.000

## Exhibit R-4, RDT&amp;E Schedule Profile

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# PANTHER DEN SCHEDULE



	FY03	FY04	FY05	FY06	FY07	FY08	FY09
Panther Den Architecture							
Program Management							
Technical Oversight							
Security Oversight							

- Funding utilized for continual oversight functions—no specific milestones associated
- Individual programs within PD are funded independently and do have milestones
- Multiple PEs associated with PD

FY03 - FY04 PE 33140

FY05 - FY09 PE 35887

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## UNCLASSIFIED

## Exhibit R-4a, RDT&amp;E Schedule Detail

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Technology(U) Schedule ProfileFY 2003FY 2004FY 2005

(U) IO Technology Study/Prototype/Bi-Annual Demos

2-4Q